SUMMARY OF WATER CONDITIONS

April 1, 2004

March turned out to be dry and unusually warm, setting new monthly temperature records at a number of weather stations. The combination caused early snowmelt and about a 25 percent loss in snowpack water content during the month. As a result, April through July runoff forecasts were reduced about 20 percent from those of last month. Runoff forecasts in the Sacramento River region are still near historic median levels, but southern Sierra river runoff is expected to be considerably below normal. There is enough snowpack and water in storage to avoid drought for this year, but supplies may be short in some areas in the southern part of the Central Valley.

Forecasts of April through July runoff are about 80 percent of average overall, ranging from above normal in a few northern basins to under 60 percent in several southern Sierra basins. Water year runoff forecasts, which include the past winter season, are slightly better at 85 percent of average statewide.

Snowpack water content dropped about 25 percent during March and now stands at 85 percent of average statewide. Much of the lower elevation snow melted swelling streamflow more than would be expected with the limited amount of rain. Last year the snowpack was 65 percent of average on April 1,but showed an unusual gain of 15 percent during the following wet April.

Precipitation from October 1 through March was about 95 percent of average, lowered 10 percent by the dry March. Last year precipitation stood at 100 percent at this time. Precipitation during March was about 40 percent of average statewide from small storms near the beginning and end of the month. The three weeks between were bone dry in all regions of the State.

Runoff for the first six months has been just below average at 90 percent. Last year runoff on this date was 95 percent of average. March runoff overall was near normal at 95 percent, but with a profound difference from relatively dry rain fed streams to above average in many snow fed rivers. Estimated runoff of the eight major rivers of the Sacramento and San Joaquin River regions was 3.6 million acre-feet during March.

Reservoir storage gained about 1.6 million acre-feet during the month, about the normal increase and 105 percent of average for the date More storage at several northern California reservoirs was precluded by the need to maintain required seasonal flood control space. Reservoir storage one year ago was a little less at 100 percent.

SUMMARY OF WATER CONDITIONS IN PERCENT OF AVERAGE

HYDROLOGIC REGION	PRECIPITATION OCTOBER 1 TO DATE	April 1 SNOW WATER CONTENT	April 1 RESERVOIR STORAGE	RUNOFF OCTOBER 1 TO DATE	APR-JULY RUNOFF FORECAST	WATER YEAR RUNOFF FORECAST
NORTH COAST	105	110	110	100	105	105
SAN FRANCISCO BAY	110	--	95	95	--	--
CENTRAL COAST	85	--	80	55	--	--
SOUTH COAST	60	--	85	35	--	--
SACRAMENTO RIVER	100	85	110	95	85	90
SAN JOAQUIN RIVER	85	80	110	70	75	70
TULARE LAKE	80	65	90	70	65	65
NORTH LAHONTAN	85	80	50	80	70	70
SOUTH LAHONTAN	100	85	100	65	80	75
COLORADO RIVER-DESERT	85	--	--	--	--	--
STATEWIDE	95	85	105	90	80	85

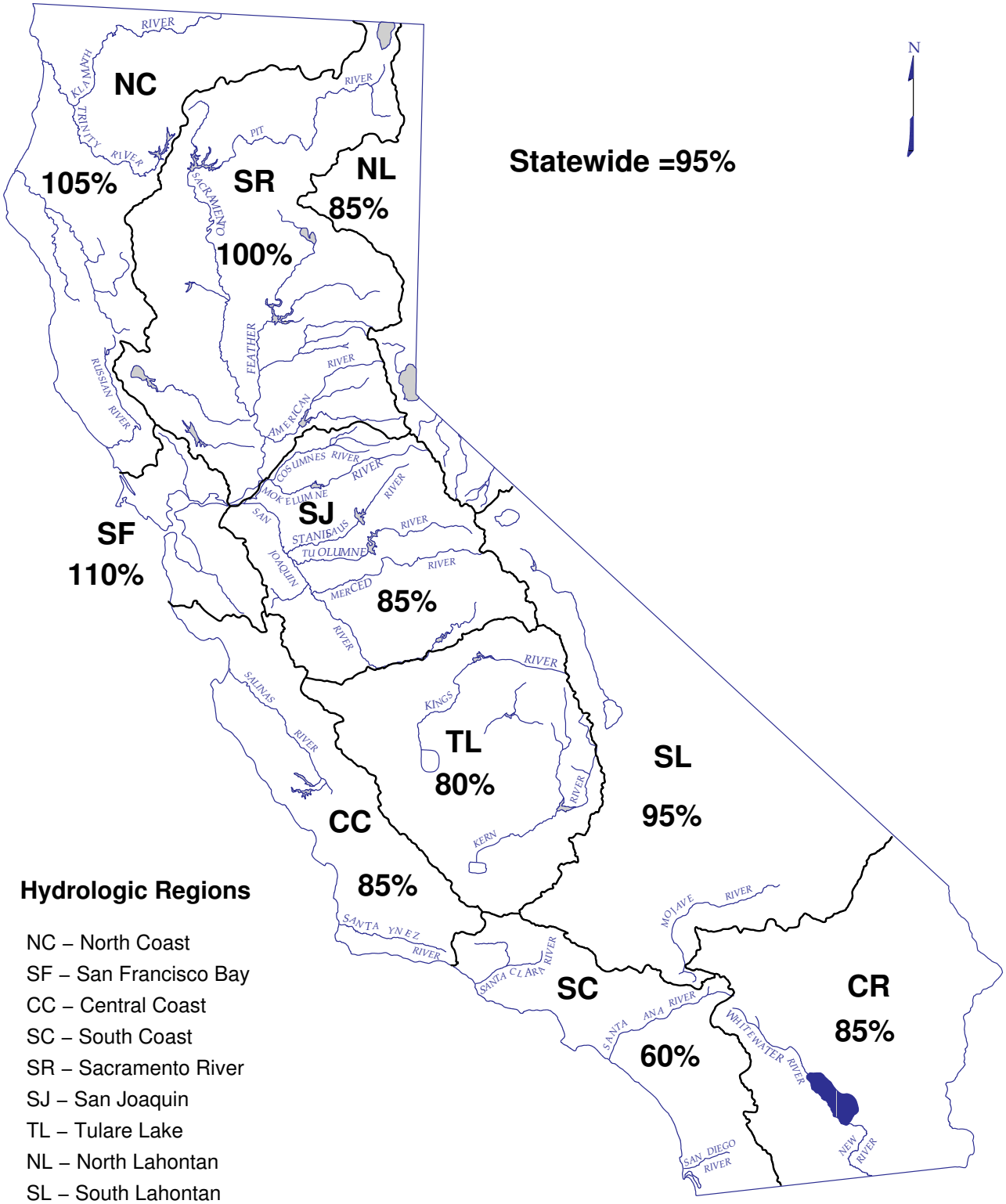
DEPARTMENT OF WATER RESOURCES

CALIFORNIA COOPERATIVE SNOW SURVEYS

SEASONAL PRECIPITATION

IN PERCENT OF AVERAGE TO DATE

October 1, 2003 through March 31, 2004

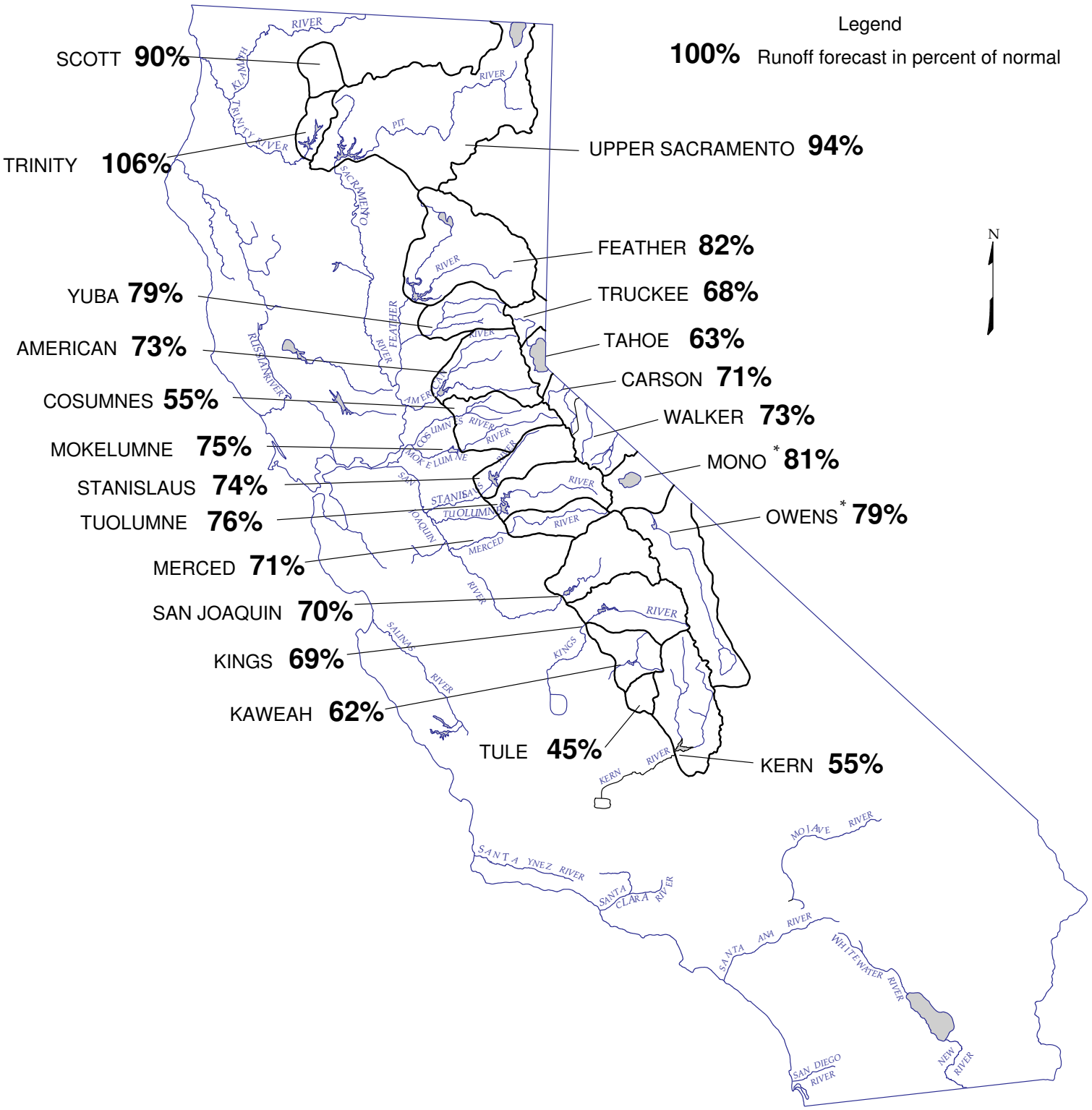


Hydrologic Regions

NC – North Coast
SF – San Francisco Bay
CC – Central Coast
SC – South Coast
SR – Sacramento River
SJ – San Joaquin
TL – Tulare Lake
NL – North Lahontan
SL – South Lahontan
CR – Colorado River–Desert

WATER YEAR IS OCTOBER 1 THROUGH SEPTEMBER 30

DEPARTMENT OF WATER RESOURCES
CALIFORNIA COOPERATIVE SNOW SURVEYS
FORECAST OF APRIL – JULY
UNIMPAIRED SNOWMELT RUNOFF
April 1, 2004



* FORECAST BY DEPARTMENT OF WATER AND POWER, CITY OF LOS ANGELES

APRIL 1, 2004 FORECASTS
APRIL-JULY UNIMPAIRED RUNOFF

HYDROLOGIC REGION and Watershed	Unimpaired Runoff in 1,000 Acre-Feet (1) HISTORICAL 50 Yr Avg (2)	Max of Record	Min of Record	FORECAST Apr-Jul Forecasts	Pct of Avg	80 % Probability Range (1)
SACRAMENTO RIVER						
Upper Sacramento River						
Sacramento River at Delta above Shasta Lake (3)	299	711	39	300	100%	
McCloud River above Shasta Lake	400	850	185	410	103%	
Pit River near Montgomery Creek + Squaw Creek	1,090	2,098	480	980	90%	
Total Inflow to Shasta Lake	1,849	3,525	726	**1,740**	94%	1,380 - 2,380
Sacramento River above Bend Bridge, near Red Bluff	2,521	5,075	943	**2,380**	94%	1,860 - 3,300
Feather River						
Feather River at Lake Almanor near Prattville (3)	333	675	120	270	81%	
North Fork at Pulga (3)	1,028	2,416	243	830	81%	
Middle Fork near Clio (4)	86	518	4	65	76%	
South Fork at Ponderosa Dam (3)	110	267	13	90	82%	
Feather River at Oroville	1,870	4,676	392	**1,530**	82%	1,190 - 2,230
Yuba River						
North Yuba below Goodyears Bar (3)	286	647	51	220	77%	
Inflow to Jackson Mdws and Bowman Reservoirs (3)	112	236	25	90	80%	
South Yuba at Langs Crossing (3)	233	481	57	180	77%	
Yuba River near Smartville plus Deer Creek	1,044	2,424	200	**830**	79%	660 - 1,200
American River						
North Fork at North Fork Dam (3)	262	716	43	180	69%	
Middle Fork near Auburn (3)	522	1,406	100	390	75%	
Silver Creek Below Camino Diversion Dam (3)	173	386	37	140	81%	
American River below Folsom Lake	1,282	3,074	229	**940**	73%	730 - 1,420
SAN JOAQUIN RIVER						
Cosumnes River at Michigan Bar	130	363	8	**71**	55%	45 - 145
Mokelumne River						
North Fork near West Point (5)	437	829	104	320	73%	
Total Inflow to Pardee Reservoir	469	1,065	102	**350**	75%	280 - 480
Stanislaus River						
Middle Fork below Beardsley Dam (3)	334	702	64	250	75%	
North Fork Inflow to McKays Point Dam (3)	224	503	34	170	76%	
Stanislaus River below Goodwin Reservoir (7)	716	1,710	116	**530**	74%	430 - 740
Tuolumne River						
Cherry Creek & Eleanor Creek near Hetch Hetchy (3)	322	727	97	240	75%	
Tuolumme River near Hetch Hetchy (3)	606	1,392	153	480	79%	
Tuolumne River below La Grange Reservoir (7)	1,230	2,682	301	**940**	76%	790 - 1,220
Merced River						
Merced River at Pohono Bridge (3)	362	888	80	270	75%	
Merced River below Merced Falls (7)	633	1,587	123	**450**	71%	380 - 640
San Joaquin River						
San Joaquin River at Mammoth Pool (6)	1,014	2,279	235	720	71%	
Big Creek below Huntington Lake (6)	95	264	11	65	68%	
South Fork near Florence Lake (6)	202	511	58	150	74%	
San Joaquin River inflow to Millerton Lake	1,262	3,355	262	**880**	70%	710 - 1,150
TULARE LAKE						
Kings River						
North Fork Kings River near Cliff Camp (3)	239	565	50	160	67%	
Kings River below Pine Flat Reservoir	1,234	3,113	274	**850**	69%	690 - 1,080
Kaweah River below Terminus Reservoir	290	814	62	**180**	62%	145 - 255
Tule River below Lake Success	65	259	2	**29**	45%	23 - 54
Kern River						
Kern River near Kernville (3)	373	1,203	83	220	59%	
Kern River inflow to Lake Isabella	470	1,657	84	**260**	55%	195 - 370

(1) See inside back cover for definition
(2) All 50 year averages are based on years 1951-2000 unless otherwise noted
(3) 50 year average based on years 1941-90
(4) 44 year average based on years 1936-79
(5) 36 year average based on years 1936-72
(6) 45 year average based on years 1936-81

APRIL 1, 2004 FORECASTS
WATER YEAR UNIMPAIRED RUNOFF

Unimpaired Runoff in 1,000 Acre-Feet (1)														
HISTORICAL			**DISTRIBUTION**								**FORECAST**			
50 Yr Avg (2)	Max of Record	Min of Record	Oct Thru Jan*	Feb *	Mar *	Apr	May	Jun	Jul	Aug & Sep	Water Year Forecasts	Pct of Avg	80 % Probability Range (1)	
888	1,965	165												
1,234	2,353	557												
3,217	5,150	1,484												
6,194	10,796	2,479	1,810	1,370	780	710	510	300	220	425	**6,125**	99%	5,680	- 6,840
8,990	17,180	3,294	2,940	2,305	1,330	970	700	415	295	545	**9,500**	106%	8,890	- 10,550
780	1,269	366												
2,417	4,400	666												
219	637	24												
291	562	32												
4,775	9,492	994	890	730	780	620	540	250	120	190	**4,120**	86%	3,730	- 4,890
564	1,056	102												
181	292	30												
379	565	98												
2,459	4,926	369	380	315	325	350	305	145	30	35	**1,885**	77%	1,700	- 2,310
616	1,234	66												
1,070	2,575	144												
318	705	59												
2,830	6,382	349	300	270	390	365	355	180	40	25	**1,925**	68%	1,710	- 2,430
409	1,253	20	38	47	52	35	24	9	3	2	**210**	51%	180	- 280
626	1,009	197												
774	1,800	129	60	45	105	110	155	75	10	5	**565**	73%	490	- 700
471	929	88												
1,196	2,952	155	100	75	165	165	220	120	25	15	**885**	74%	790	- 1,130
461	1,147	123												
770	1,661	258												
1,974	4,631	383	170	110	260	245	370	270	55	20	**1,500**	76%	1,350	- 1,830
461	1,020	92												
1,014	2,787	150	65	60	120	125	195	105	25	15	**710**	70%	630	- 920
1,337	2,964	308												
112	298	14												
248	653	71												
1,851	4,642	362	115	70	190	210	350	240	80	50	**1,305**	71%	1,120	- 1,600
284	607	58												
1,736	4,287	386	100	55	170	190	345	240	75	40	**1,215**	70%	1,040	- 1,470
460	1,402	94	34	18	48	50	75	45	10	10	**290**	63%	250	- 370
153	615	16	15	9	15	14	10	3	2	2	**70**	46%	60	- 100
558	1,577	163												
741	2,318	175	60	25	70	60	90	80	30	30	**445**	60%	370	- 570

* Unimpaired runoff in prior months based on measured flows

(7) Forecast point names based on USGS gage names. Stanislaus below Goodwin also known as inflow to New Melones, Tuolumne River below La Grange also known as inflow to Don Pedro, Merced River below Merced Falls also known as inflow to McClure.

APRIL 1, 2004 FORECASTS
APRIL-JULY UNIMPAIRED RUNOFF

HYDROLOGIC REGION and Watershed	Apr-Jul Unimpaired Runoff in 1,000 Acre-Feet (1) HISTORICAL 50 Yr Avg (2)	Max of Record	Min of Record	FORECAST Apr-Jul Forecasts	Pct of Avg
NORTH COAST					
Trinity River					
Trinity River at Lewiston Lake (3)	660	1,593	80	**700**	106%
Scott River					
Scott River near Fort Jones	200	400	30	**180**	90%
Klamath River					
Total inflow to Upper Klamath Lake (4)	515	939	149	**340**	66%
NORTH LAHONTAN					
Truckee River					
Lake Tahoe to Farad accretions	272	713	52	**185**	68%
Lake Tahoe Rise (assuming gates closed, in ft)	1.4	5.4	0.2	**0.9**	63%
Carson River					
West Fork Carson River at Woodfords	55	135	12	**40**	72%
East Fork Carson River near Gardnerville	190	407	43	**135**	71%
Walker River					
West Walker River below Little Walker, near Coleville	153	330	35	**115**	75%
East Walker River near Bridgeport	65	209	7	**45**	69%
SOUTH LAHONTAN					
Owens River					
Total tributary flow to Owens River (5)	235	579	96	**186**	79%

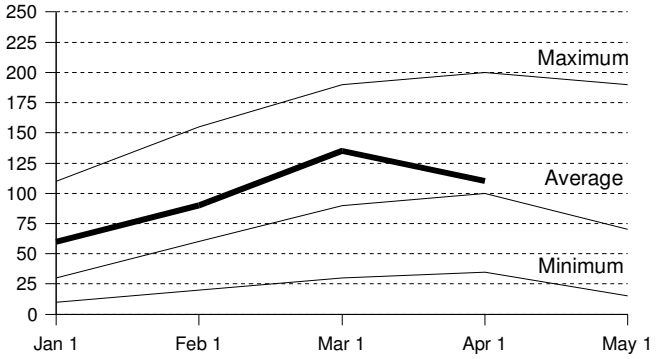
APRIL 1, 2004 FORECASTS
WATER YEAR UNIMPAIRED RUNOFF

HYDROLOGIC REGION and Watershed	Water Year Unimpaired Runoff in 1,000 Acre-Feet (1) HISTORICAL 50 Yr Avg (2)	Max of Record	Min of Record	FORECAST Water Year Forecasts	Pct of Avg	80 % Probability Range (1)
NORTH COAST						
Trinity River						
Trinity River at Lewiston Lake (3)	1,411	2,990	200	**1,580**	112%	1420 - 1770

(1) See inside back cover for definition
(2) All 50 year averages are based on years 1951-2000 unless otherwise noted
(3) Forecast by DWR and National Weather Service California-Nevada River Forecast Center.
(4) Forecast by U.S. Natural Resources Conservation Service and National Weather Service California-Nevada River Forecast Center, April through September forecast, 30 year average based on years 1971-2000.
(5) Forecast by Department of Water and Power, City of Los Angeles, average based on years 1951-2000.

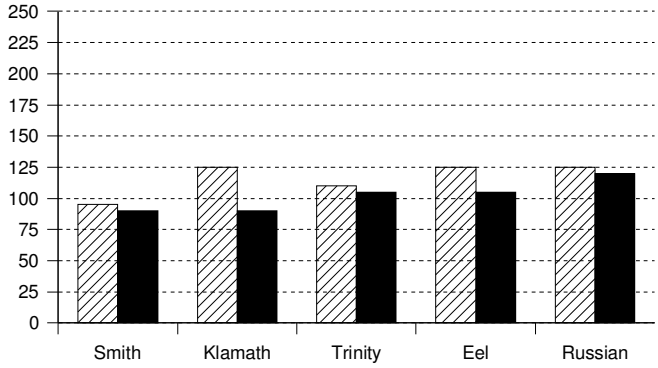
Snowpack Accumulation

Water Content in % of April 1 Average



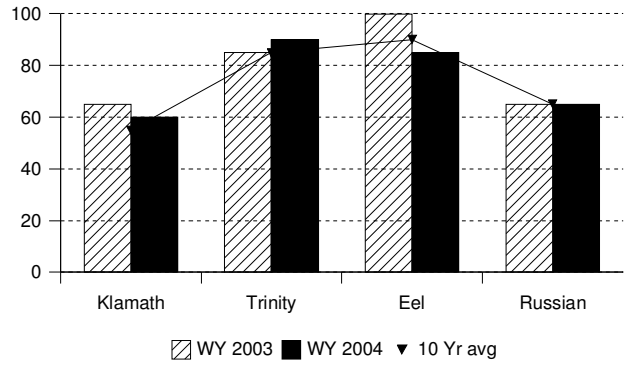
Precipitation

October 1 to date in % of Average



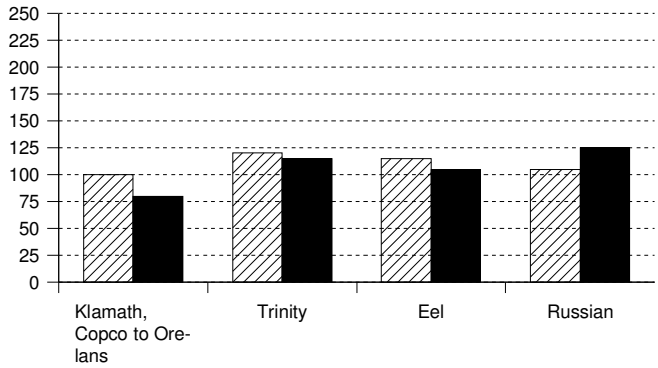
Reservoir Storage

Contents of major reservoirs in % of capacity



Runoff

October 1 to date in % of average



NORTH COAST REGION

SNOWPACK- First of the month measurements made at 18 snow courses indicate an area wide snow water equivalent of 33.8 inches. This is 110 percent of the April 1 average. Last year at this time the pack was holding 30 inches of water.

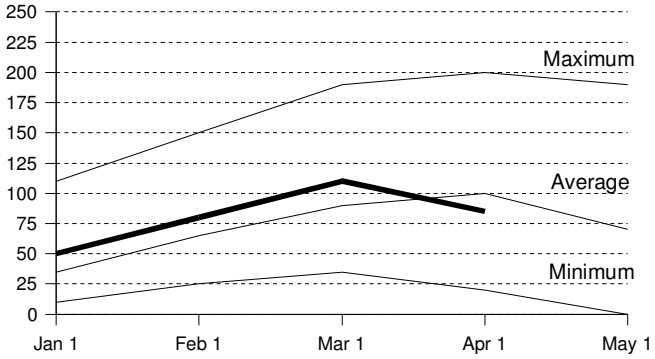
PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on this area was 105 percent of normal. Precipitation last month was about 50 percent of the monthly average. Seasonal precipitation at this time last year stood at 115 percent of normal.

RESERVOIR STORAGE- First of the month storage in 7 reservoirs was 2.6 million acre-feet which is 110 percent of average. About 85 percent of available capacity was being used. Storage in these reservoirs at this time last year was 105 percent of average.

RUNOFF -Seasonal runoff of streams draining the area totaled 10 million acre-feet which is 100 percent of the average for this period. Last year, runoff for the same period was 110 percent of average.

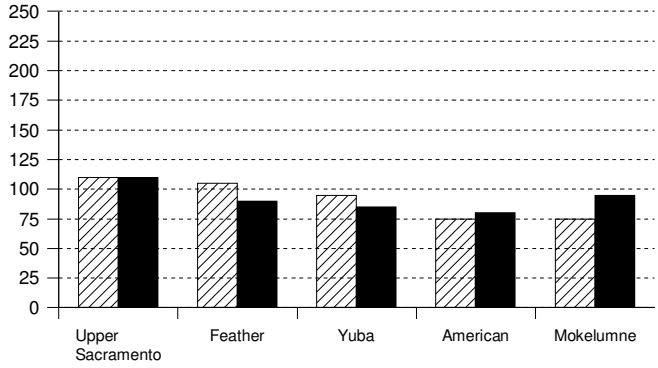
Snowpack Accumulation

Water Content in % of April 1 Average



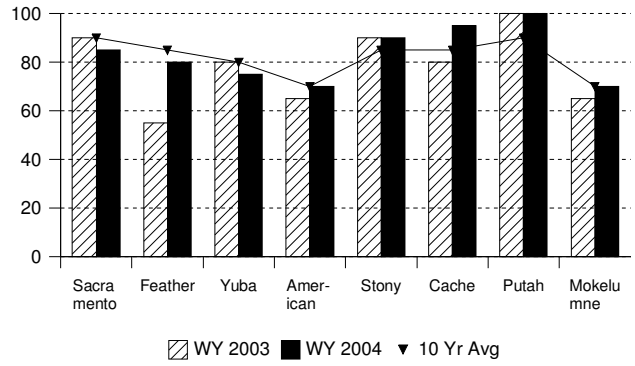
Precipitation

October 1 to date in % of Average



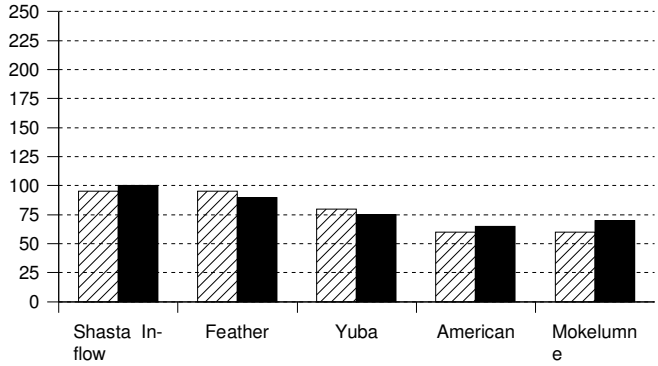
Reservoir Storage

Contents of major reservoirs in % of capacity



Runoff

October 1 to date in % of average



SACRAMENTO RIVER REGION

SNOWPACK- First of the month measurements made at 80 snow courses indicate an area wide snow water equivalent of 27.8 inches. This is 85 percent of the April 1 average. Last year at this time the pack was holding 21.7 inches of water.

PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on this area was 100 percent of normal. Precipitation last month was about 30 percent of the monthly average. Seasonal precipitation at this time last year stood at 100 percent of normal.

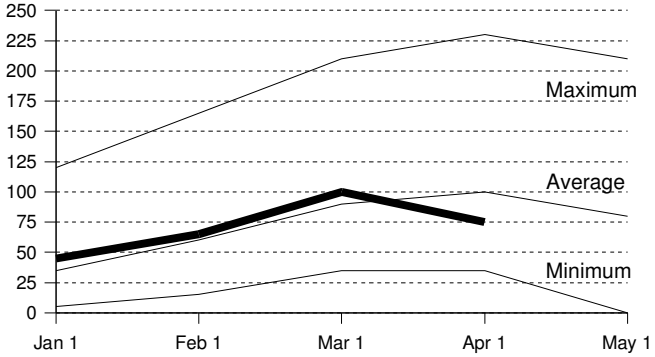
RESERVOIR STORAGE- First of the month storage in 43 reservoirs was 13.4 million acre-feet which is 110 percent of average. About 85 percent of available capacity was being used. Storage in these reservoirs at this time last year was 105 percent of average.

RUNOFF - Seasonal runoff of streams draining the are totaled 10.9 million acre-feet which is 95 percent of average for this period. Last year, runoff for the same period was 95 percent of average.

The **Sacramento Region 40-30-30 Water Supply Index** is forecast to be 8.0 assuming median meteorological conditions for the remainder of the year. This classifies the year as "above normal" in the Sacramento Valley according to the State Water Resources Control Board.

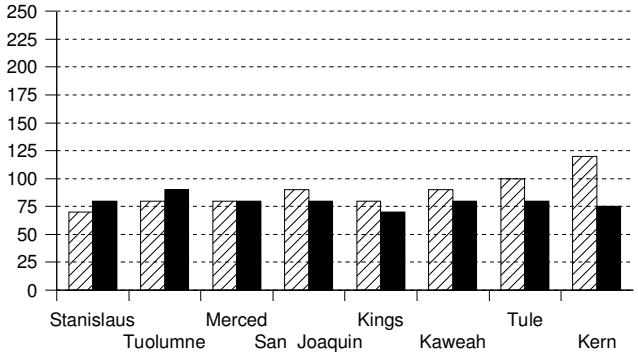
Snowpack Accumulation

Water Content in % of April 1 Average



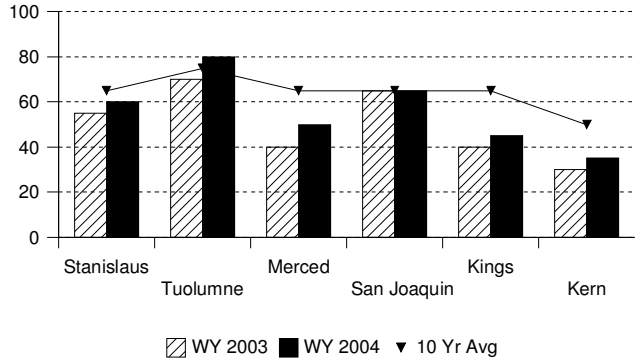
Precipitation

October 1 to date in % of Average



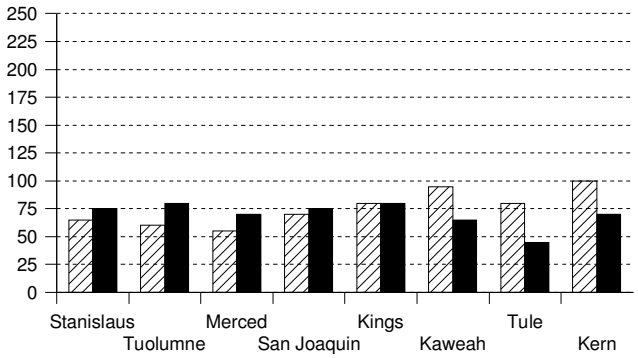
Reservoir Storage

Contents of major reservoirs in % of capacity



Runoff

October 1 to date in % of average



SAN JOAQUIN RIVER AND TULARE LAKE REGIONS

SNOWPACK- First of the month measurements made at 70 **San Joaquin Region** snow courses indicate an area wide snow water equivalent of 25.9 inches. This is 80 percent of the April 1 average. Last year at this time the pack was holding 20.8 inches of water.
At the same time 42 **Tulare Lake Region** snow courses indicated a basin-wide snow water equivalent of 17.0 inches which is 65 percent of the average for April 1. Last year at this time the basin was holding 15.1 inches of water.

PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on the **San Joaquin Region** was 85 percent of normal. Precipitation last month was about 30 percent of the monthly average. Seasonal precipitation at this time last year stood at 80 percent of normal.
Seasonal precipitation on the **Tulare Lake Region** was 80 percent of normal. Precipitation last month was about 35 percent of the monthly average. Seasonal precipitation at this time last year stood at 95 percent of normal.

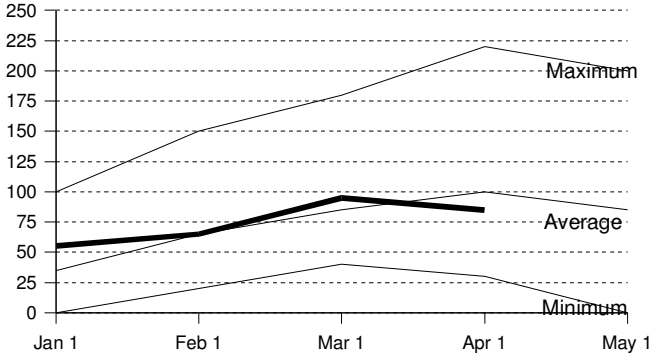
RESERVOIR STORAGE- First of the month storage in 34 **San Joaquin Region** reservoirs was 8.2 million acre-feet which is 110 percent of average. About 70 percent of available capacity was being used. Storage in these reservoirs at this time last year was 100 percent of average.
First of the month storage in 6 **Tulare Lake Region** reservoirs was 830 thousand acre-feet which is 90 percent of average and about 40 percent of available capacity. Storage in these reservoirs at this time last year was 85 percent of average.

RUNOFF- Seasonal runoff of streams draining the **San Joaquin Region** totaled 1.8 million acre-feet which is 70 percent of average for this period. Last year, runoff for the same period was 60 percent of average. Seasonal runoff of streams draining the **Tulare Lake Basin** totaled 627 thousand acre-feet which is 70 percent of average for this period. Last year runoff for this same period was 85 percent of average.

The **San Joaquin River Region 60-20-20 Water Supply Index** is forecast to be 2.5 assuming median meteorological conditions. This classifies the year as "dry" in the San Joaquin Region according to the State Water Resources Control Board.

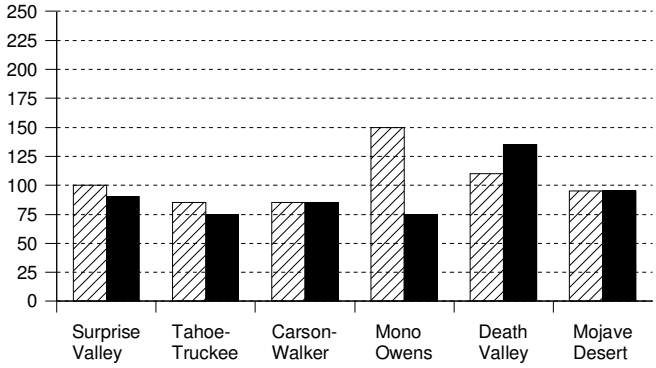
Snowpack Accumulation

Water Content in % of April 1 Average



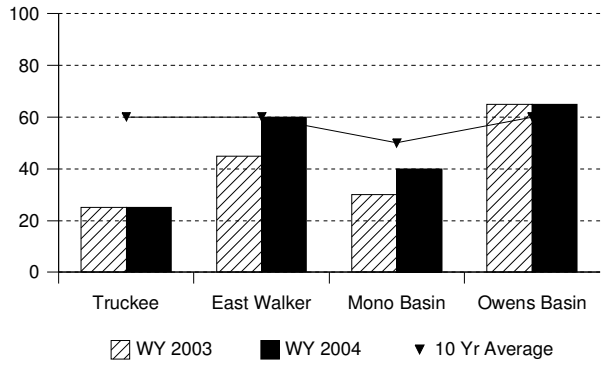
Precipitation

October 1 to date in % of Average



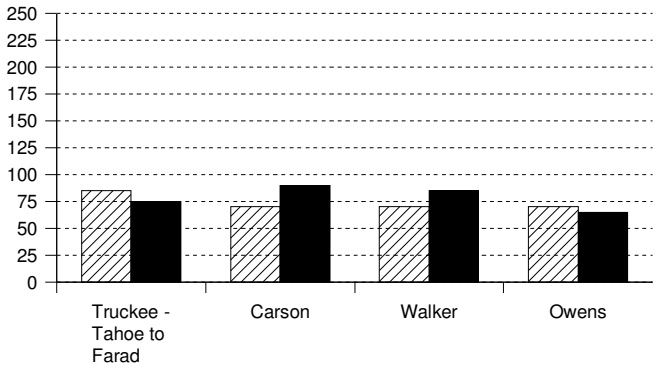
Reservoir Storage

Contents of major reservoirs in % of capacity



Runoff

October 1 to date in % of average



NORTH AND SOUTH LAHONTAN REGIONS

SNOWPACK- First of the month measurements made at 19 **North Lahontan snow** courses indicate an area wide snow water equivalent of 23.4 inches. This is 80 percent of the April 1 average. Last year at this time the pack was holding 21.1 inches of water. At the same time 21 **South Lahontan Region** snow courses indicated a basin-wide snow water equivalent of 17.8 inches which is 85 percent of the average for April 1. Last year at this time the basin was holding 16.9 inches of water.

PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on the **North Lahontan** was 85 percent of normal. Precipitation last month was about 30 percent of the monthly average. Seasonal precipitation at this time last year stood at 90 percent of normal.
Seasonal precipitation on the **South Lahontan** was 95 percent of normal. Precipitation last month was about 40 percent of the monthly average. Seasonal precipitation at this time last year stood at 115 percent of normal.

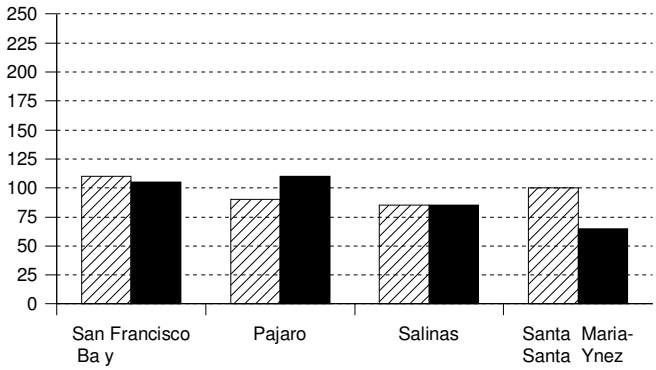
RESERVOIR STORAGE- First of the month storage in 5 **North Lahontan** reservoirs was 295 thousand acre-feet which is 50 percent of average. About 30 percent of available capacity was being used. Storage in these reservoirs at this time last year was 45 percent of average. Lake Tahoe was 0.9 feet above its natural rim on April 1.
First of the month storage in 8 **South Lahontan** reservoirs was 264 thousand acre-feet which is 100 percent of average and about 65 percent of available capacity. Storage in these reservoirs at this time last year was 95 percent of average.

RUNOFF- Seasonal runoff of streams draining the **North Lahontan Region** totaled 244 thousand acre-feet which is 80 percent of average for this period. Last year, runoff for the same period was 75 percent of average.

Seasonal runoff of the Owens River in the **South Lahontan** totaled 46 thousand acre-feet which is 65 percent of average for this period. Last year runoff for this same period was 70 percent of average.

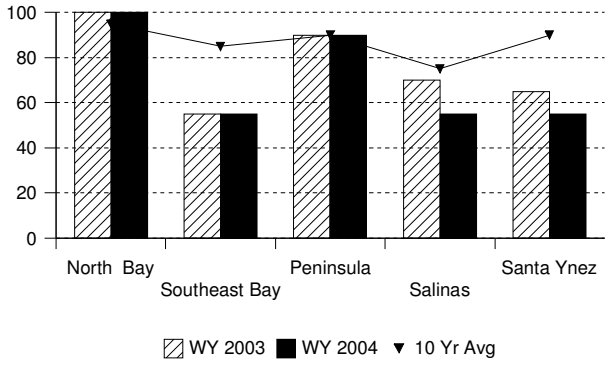
Precipitation

October 1 to date in % of Average



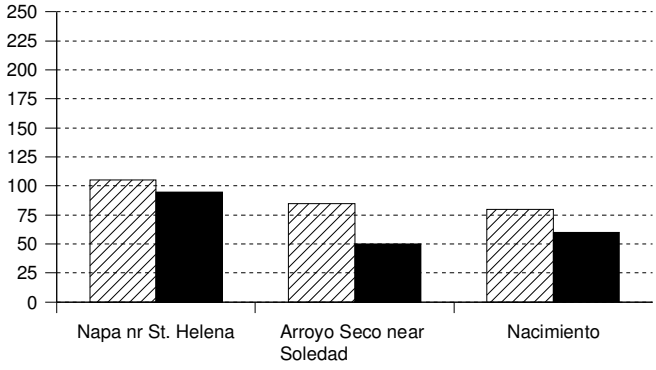
Reservoir Storage

Contents of major reservoirs in % of capacity



Runoff

October 1 to date in % of average



SAN FRANCISCO BAY AND CENTRAL COAST REGIONS

PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on the **San Francisco Bay Region** was 110 percent of normal. Precipitation last month was about 30 percent of the monthly average. Seasonal precipitation at this time last year stood at 110 percent of normal.

Seasonal precipitation on the **Central Coast Region** was 85 percent of normal. Precipitation last month was about 25 percent of the monthly average. Seasonal precipitation at this time last year stood at 95 percent of normal.

RESERVOIR STORAGE- First of the month storage in 14 **San Francisco Bay Region** reservoirs was 372 thousand acre-feet which is 95 percent of average. About 70 percent of available capacity was being used. Storage in these reservoirs at this time last year was 90 percent of average.

First of the month storage in 6 **Central Coast Region** reservoirs was 552 thousand acre-feet which is 80 percent of average and about 55 percent of available capacity. Storage in these reservoirs at this time last year was 95 percent of average.

RUNOFF- Seasonal runoff of the Napa River in the **San Francisco Bay Region** totaled 66 thousand acre-feet which is 95 percent of average for this period. Last year, runoff for the same period was 105 percent of average.

Seasonal runoff of streams draining the **Central Coast Region** totaled 157 thousand acre-feet which is 55 percent of average for this period. Last year runoff for this same period was 80 percent of average.

SOUTH COAST AND COLORADO RIVER REGIONS

PRECIPITATION - October through March (seasonal) precipitation on the **South Coast Region** is 60 percent of normal. March precipitation was 25 percent of the monthly average. Seasonal precipitation at this time last year was 100 percent of normal. Seasonal precipitation on the **Colorado River-Desert Region** is 85 percent of normal. March precipitation was 110 percent of the monthly average. Seasonal precipitation at this time last year stood at 80 percent of average.

RESERVOIR STORAGE – March 31 storage in 29 major **South Coast Region** reservoirs is 1.3 million acre-feet or 85 percent of average. About 65 percent of available capacity is being used. Storage in these reservoirs at this time last year was 80 percent of average.
On March 31 combined storage in Lakes Powell, Mead, Mohave and Havasu was about 27.6 million acre-feet or about 65 percent of average. About 50 percent of available capacity was in use. Last year at this time, these reservoirs were storing 80 percent of average.

RUNOFF - Seasonal runoff from selected **South Coast Region** streams totaled 12.8 thousand acre-feet which is 35 percent of average. Seasonal runoff from these streams last year was 45 percent of average.

COLORADO RIVER - The April -July inflow to Lake Powell is forecast to be 5.9 million acre-feet, which is 74 percent of average. The April 1 snowpack in the Colorado River basin above Lake Powell is 65 percent of average, highest in the San Juan at 85 percent and lowest in the Duchesne at 55 percent.

CENTRAL VALLEY PROJECT

As of March 31, 2004, CVP storage was 9.2 million acre-feet, which is the same as compared to one year ago and is approximately 112% of normal for that date.

The Bureau of Reclamation announced updated water year 2004 supply allocations for the CVP contractors on February 13, 2004. Based on a conservative water supply forecast prepared from information available March 1, 2004, and a water year inflow into Shasta Reservoir of 5.8 million acre-feet, water supply allocations remained unchanged. CVP water supplies were: Agricultural contractors North of Delta 100% and South of Delta 65%; Urban contractors North of Delta 100% and South of Delta 90%; Sacramento River water rights and San Joaquin Exchange Contractors 100%; Wildlife Refuges 100%; Friant Contractors 100% of Class 1 and 0% of Class 2. Updated allocations will be announced in mid-April.

The forecast of CVP operations is available on the Mid-Pacific Region's website at www.mp.usbr.gov

STATE WATER PROJECT

Total storage in the major SWP reservoirs was about 4.83 MAF on March 31, 2004, compared with 4.25 MAF at this time in 2003. On March 31 storage at Lake Oroville was about 3.09 MAF as compared to about 2.62 MAF last year. The State's share of San Luis Reservoir storage at the end of March was 1.07 MAF, as compared to about 986 TAF at this time last year. The combined storage of SWP's southern reservoirs was about 673 TAF on March 31 as compared to 636 TAF at this time last year.

SWP water deliveries through March 2004 were about 832 TAF. This is a combination of project, transfer, and exchange waters. This was about 210 TAF more than last year.

The Department's SWP allocation remained unchanged at 65% (2.68 MAF). Extremely warm conditions during March caused a large volume of runoff into Lake Oroville from early snowmelt, much of which had to be released for flood control requirements.

MAJOR WATER DISTRIBUTION PROJECTS

RESERVOIR STORAGE

(AVERAGES BASED ON 1951-2000 OR PERIOD RECORD)

RESERVOIR	CAPACITY 1,000 AF	AVERAGE STORAGE 1,000 AF	STORAGE AT END OF March 2003 1,000 AF	2004 1,000 AF	PERCENT AVERAGE	PERCENT CAPACITY
STATE WATER PROJECT						
Lake Oroville	3,538	2,790	2,634	3,066	110%	87%
San Luis Reservoir (SWP)	1,062	984	985	1,067	108%	100%
Lake Del Valle	77	37	37	39	104%	50%
Lake Silverwood	73	66	69	70	107%	97%
Pyramid Lake	171	164	160	166	102%	97%
Castaic Lake	324	285	279	312	109%	96%
Perris Lake	132	118	123	122	104%	93%
CENTRAL VALLEY PROJECT						
Trinity Lake	2,448	1,961	2,036	2,152	110%	88%
Lake Shasta	4,552	3,705	4,104	3,905	105%	86%
Whiskeytown Lake	241	213	207	206	97%	85%
Folsom Lake	977	622	620	707	114%	72%
New Melones Reservoir	2,420	1,452	1,425	1,496	103%	62%
Millerton Lake	520	348	465	440	126%	85%
San Luis Reservoir (CVP)	971	870	969	953	110%	98%
COLORADO RIVER PROJECT						
Lake Mead	26,159	20,492	16,820	15,255	74%	58%
Lake Powell	25,002	19,064	13,600	10,180	53%	41%
Lake Mohave	1,810	1,679	1,686	1,677	100%	93%
Lake Havasu	619	556	541	536	96%	87%
EAST BAY MUNICIPAL UTILITY DISTRICT						
Pardee Res	198	181	179	184	102%	93%
Camanche Reservoir	417	252	304	351	139%	84%
East Bay (4 res.)	147	135	132	141	104%	96%
CITY AND COUNTY OF SAN FRANCISCO						
Hetch-Hetchy Reservoir	360	130	241	230	177%	64%
Cherry Lake	268	122	188	229	187%	86%
Lake Eleanor	26	12	8	20	170%	76%
South Bay/Peninsula (4 res.)	225	180	152	152	84%	67%
CITY OF LOS ANGELES (D.W.P.)						
Lake Crowley	183	128	130	125	98%	68%
Grant Lake	48	28	19	23	83%	48%
Other Aqueduct Storage (6 res.)	83	77	64	55	71%	66%

TELEMETERED SNOW WATER EQUIVALENTS

April 1, 2004

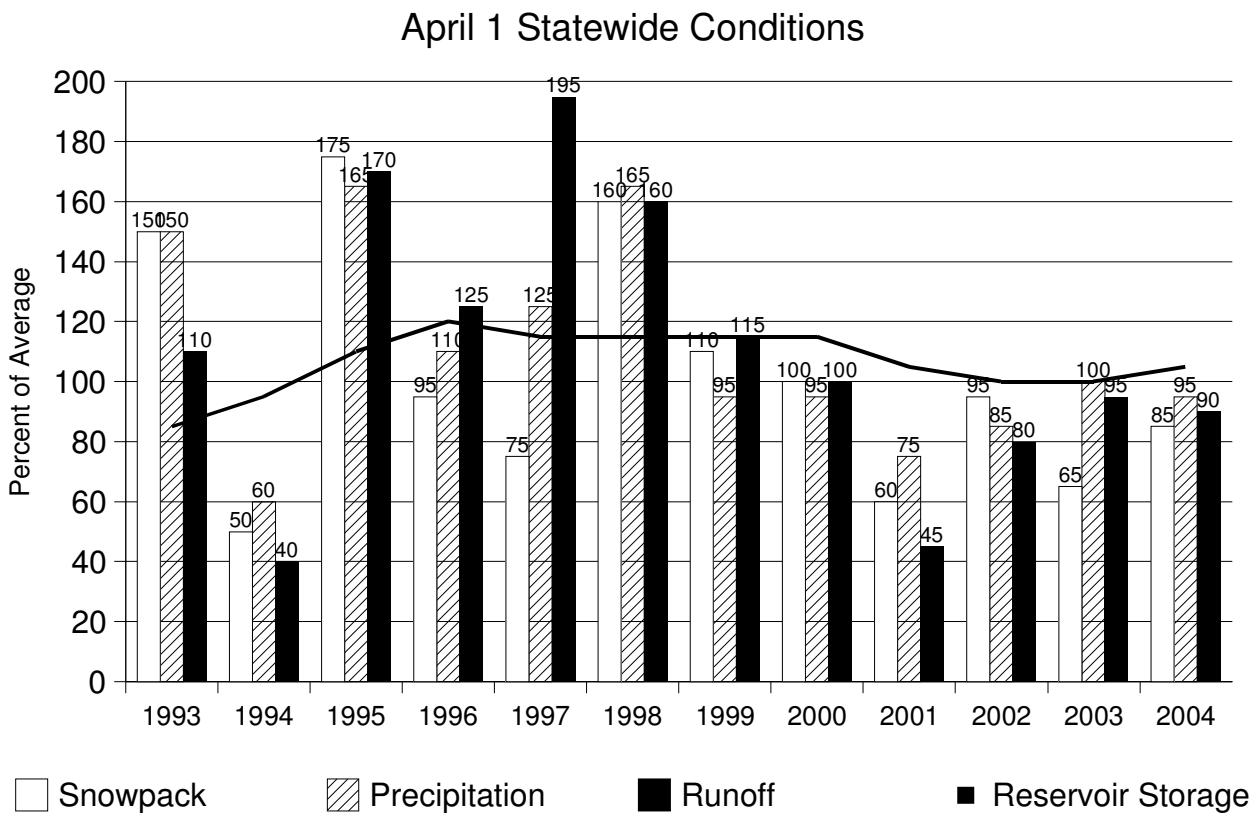
(AVERAGES BASED ON PERIOD RECORD)

BASIN NAME / STATION NAME	ELEV	APRIL 1 AVERAGE	INCHES OF WATER EQUIVALENT Apr 1	PERCENT OF AVERAGE	24 HRS PREVIOUS	1 WEEK PREVIOUS
TRINITY RIVER						
Peterson Flat	7150'	29.2	28.6	98.0	28.9	28.1
Red Rock Mountain	6700'	39.6	55.1	139.1	55.8	53.8
Bonanza King	6450'	40.5	44.8	110.5	45.0	44.0
Shimmy Lake	6400'	40.3	—	—	—	—
Middle Boulder 3	6200'	28.3	29.7	105.0	31.0	31.0
Highland Lakes	6030'	29.9	—	—	—	—
Scott Mountain	5900'	16.0	24.0	150.0	24.1	23.8
Mumbo Basin	5650'	22.4	30.9	137.8	31.1	31.1
Big Flat	5100'	15.8	25.5	161.5	25.8	25.2
SACRAMENTO RIVER						
Cedar Pass	7100'	18.1	17.2	95.0	17.3	18.2
Blacks Mountain	7050'	12.7	18.3	143.9	18.3	18.3
Sand Flat	6750'	42.4	44.5	105.0	44.6	43.8
Medicine Lake	6700'	32.6	41.6	127.7	41.8	40.0
Adin Mountain	6200'	13.6	9.0	66.2	9.1	10.0
Snow Mountain	5950'	27.0	32.3	119.6	32.6	31.9
Slate Creek	5700'	29.0	27.0	93.1	28.2	27.5
Stouts Meadow	5400'	36.0	43.6	121.2	44.0	42.6
FEATHER RIVER						
Kettle Rock	7300'	25.5	20.9	81.9	21.2	21.4
Grizzly Ridge	6900'	29.7	22.3	75.2	22.7	22.8
Pilot Peak	6800'	52.6	25.1	47.7	25.6	25.8
Gold Lake	6750'	36.5	38.2	104.5	38.3	37.4
Humbug	6500'	28.0	43.1	154.0	43.4	43.0
Rattlesnake	6100'	14.0	21.0	150.0	21.6	21.4
Bucks Lake	5750'	44.7	56.2	125.6	56.4	55.1
Four Trees	5150'	20.0	23.0	115.2	24.0	24.8
EEL RIVER						
Noel Spring	5100'	—	0.0	—	0.0	0.0
YUBA & AMERICAN RIVERS						
Lake Lois	8600'	39.5	35.0	88.6	35.0	33.4
Schneiders	8750'	34.5	36.0	104.4	36.2	35.8
Caples Lake	8000'	30.9	24.1	78.0	24.8	25.3
Alpha	7600'	35.9	21.8	60.7	22.5	23.1
Meadow Lake	7200'	55.5	48.4	87.2	48.5	47.1
Silver Lake	7100'	22.7	19.7	86.6	20.5	21.3
Central Sierra Snow Lab	6900'	33.6	27.0	80.4	27.6	27.6
Huysink	6600'	42.6	30.5	71.5	30.7	29.5
Van Vleck	6700'	35.9	—	—	—	—
Robbs Saddle	5900'	21.4	19.1	89.4	19.6	19.4
Greek Store	5600'	21.0	20.9	99.4	21.0	21.0
Blue Canyon	5280'	9.0	0.0	0.0	0.0	0.0
Robbs Powerhouse	5150'	5.2	4.1	78.1	5.1	7.0
MOKELUMNE & STANISLAUS RIVERS						
Deadman Creek	9250'	37.2	24.5	65.9	24.5	24.6
Highland Meadow	8700'	47.9	36.8	76.7	36.9	34.3
Gianelli Meadow	8400'	55.5	34.1	61.4	34.2	33.3
Lower Relief Valley	8100'	41.2	35.1	85.1	35.1	34.6
Blue Lakes	8000'	33.1	27.0	81.6	27.0	25.9
Mud Lake	7900'	44.9	44.2	98.4	44.5	44.1
Stanislaus Meadow	7750'	47.5	39.4	83.0	40.3	40.6
Bloods Creek	7200'	35.5	—	—	—	—
Black Springs	6500'	32.0	28.5	88.9	28.7	27.1
TUOLUMNE & MERCED RIVERS						
Tioga Pass Entrance	9945'	—	—	—	—	—
Dana Meadows	9800'	27.7	25.5	92.1	25.5	24.2
Slide Canyon	9200'	41.1	40.6	98.8	40.6	38.0
Lake Tenaya	8150'	33.1	25.5	77.0	25.5	25.7
Tuolumne Meadows	8600'	22.6	15.9	70.5	15.9	15.6
Horse Meadow	8400'	48.6	33.4	68.7	33.4	33.4
Ostrander Lake	8200'	34.8	22.2	63.7	22.2	23.5
Paradise Meadow	7650'	41.3	37.1	89.7	37.1	36.4
Gin Flat	7050'	34.2	23.3	68.1	23.8	24.5
Lower Kibbie Ridge	6700'	27.4	7.6	27.9	8.4	11.5

BASIN NAME		APRIL 1	INCHES OF WATER EQUIVALENT	PERCENT	24 HRS	1 WEEK
STATION NAME	ELEV	AVERAGE	Apr 1	OF AVERAGE	PREVIOUS	PREVIOUS
SAN JOAQUIN RIVER						
Volcanic Knob	10050'	30.1	24.2	80.4	24.2	23.6
Agnew Pass	9450'	32.3	23.7	73.5	23.7	21.8
Kaiser Point	9200'	37.8	21.4	56.6	21.8	23.0
Green Mountain	7900'	30.8	19.2	62.3	19.4	20.2
Tamarack Summit	7550'	30.5	15.7	51.5	16.4	18.4
Chilkoot Meadow	7150'	38.0	26.4	69.5	26.9	27.5
Huntington Lake	7000'	20.1	12.4	61.5	12.5	13.2
Graveyard Meadow	6900'	18.8	10.4	55.5	11.3	13.0
Poison Ridge	6900'	28.9	—	—	—	—
KINGS RIVER						
Bishop Pass	11200'	34.0	28.5	83.8	28.5	27.9
Charlotte Lake	10400'	27.5	29.9	108.7	30.1	30.1
State Lakes	10300'	29.0	27.5	94.8	27.7	27.8
Mitchell Meadow	9900'	32.9	—	—	—	—
Blackcap Basin	10300'	34.3	23.5	68.5	23.5	23.0
Upper Burnt Corral	9700'	34.6	28.2	81.5	28.2	26.2
West Woodchuck Meadow	9100'	32.8	21.7	66.2	21.9	23.2
Big Meadows	7600'	25.9	19.0	73.2	19.2	19.3
KAWEAH & TULE RIVERS						
Farewell Gap	9500'	34.5	27.6	80.0	27.6	28.5
Quaking Aspen	7200'	21.0	10.9	52.0	11.8	14.4
Giant Forest	6650'	10.0	0.0	0.0	0.0	0.0
KERN RIVER						
Upper Tyndall Creek	11400'	27.7	20.1	72.6	20.1	20.2
Crabtree Meadow	10700'	19.8	12.7	64.3	13.0	13.6
Chagoopa Plateau	10300'	21.8	15.7	71.9	15.7	17.6
Pascoes	9150'	24.9	23.5	94.4	23.5	25.1
Tunnel Guard Station	8900'	15.6	3.5	22.4	3.9	6.9
Wet Meadows	8950'	30.3	—	—	—	—
Casa Vieja Meadows	8300'	20.9	13.1	62.8	13.8	15.1
Beach Meadows	7650'	11.0	0.0	0.0	0.0	0.0
SURPRISE VALLEY AREA						
Dismal Swamp	7050'	29.2	29.0	99.3	29.1	28.5
TRUCKEE RIVER						
Mount Rose Ski Area	8900'	38.5	34.5	89.6	34.5	32.8
Independence Lake	8450'	41.4	44.1	106.5	44.1	43.2
Big Meadows	8700'	25.7	17.0	66.1	17.2	17.4
Squaw Valley	8200'	46.5	41.8	89.9	42.6	42.3
Independence Camp	7000'	21.8	11.4	52.3	11.8	12.9
Independence Creek	6500'	12.7	10.8	85.0	11.2	12.0
Truckee 2	6400'	14.3	13.1	91.6	13.5	14.8
LAKE TAHOE BASIN						
Heavenly Valley	8800'	28.1	19.0	67.6	19.8	20.4
Hagans Meadow	8000'	16.5	8.0	48.5	8.6	10.0
Marlette Lake	8000'	21.1	19.6	92.9	19.8	20.1
Echo Peak 5	7800'	39.5	32.7	82.8	33.2	33.7
Rubicon Peak 2	7500'	29.1	24.0	82.5	24.0	24.1
Tahoe City Cross	6750'	16.0	3.0	18.8	3.5	5.7
Ward Creek 3	6750'	39.4	33.4	84.8	34.1	33.3
Fallen Leaf Lake	6250'	7.0	0.0	0.0	0.0	1.2
CARSON RIVER						
Ebbetts Pass	8700'	38.8	33.0	85.1	33.5	33.8
Poison Flat	7900'	16.2	11.0	67.9	11.7	13.6
Monitor Pass	8350'	—	10.1	—	10.7	11.8
Spratt Creek	6150'	4.5	0.0	0.0	0.0	0.0
WALKER RIVER						
Leavitt Lake	9600'	—	57.3	—	57.3	55.3
Virginia Lakes	9300'	20.3	16.1	79.3	16.1	15.3
Lobdell Lake	9200'	17.3	12.0	69.4	12.2	13.2
Sonora Pass Bridge	8750'	26.0	26.0	100.0	26.0	25.7
Leavitt Meadows	7200'	8.0	4.4	55.0	5.1	7.3
OWENS RIVER/MONO LAKE						
Gem Pass	10750'	31.7	32.4	102.2	32.7	32.7
Sawmill	10200'	19.4	14.6	75.2	14.6	14.6
Cottonwood Lakes	10150'	11.6	8.5	73.4	9.0	10.6
Big Pine Creek	9800'	17.9	13.9	77.7	13.9	14.6
South Lake	9600'	16.0	13.2	82.5	13.2	13.2
Mammoth Pass	9300'	42.4	33.6	79.2	33.8	32.8
Rock Creek Lakes	10000'	14.0	8.2	58.3	8.5	9.6

NORMAL SNOWPACK ACCUMULATION EXPRESSED AS A PERCENT OF APRIL 1ST AVERAGE

AREA	JANUARY	FEBRUARY	MARCH	APRIL	MAY
Central Valley North	45%	70%	90%	100%	75%
Central Valley South	45%	65%	85%	100%	80%
North Coast	40%	60%	85%	100%	80%



SNOWLINES

Remember that this year's Western Snow Conference meeting is April 19-22 in Richmond, British Columbia For further information regarding the Western Snow Conference contact Frank Gehrke at 916-574-2635 or gridley@water.ca.gov. Registration and program information is available on the web at . http://www.westernsnowconference.org/

Continuing with the Gene Rose collection are depicted two snow surveyors, most likely in the San Joaquin drainage. The equipment is looking more modern with current equipment using a tubular as opposed to the dial scale shown hanging from the pole in the right side of the photograph.